

ABSTRACT OF THE DISCLOSURE

Mechanisms for adaptively entering and exiting recovery mode. When a message is received from a particular message transaction, the appropriate processing instance is loaded from persistent memory to system memory. The processing instance then determines from its own state information whether or not it is in recovery mode. This indication of recovery or normal mode may be set by a system-wide recovery detection module. If the processing instance determines that it is in normal mode, then the processing instance executes code appropriate for normal operation without needing to execute any recovery code at all. If, on the other hand, the processing instance determines that it is in recovery mode, then it executes recovery code. Once the recovery code has completed successfully, the processing instance may then cause its own normal mode.

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